

Copper Rolling, Drawing, and Extruding: 2002

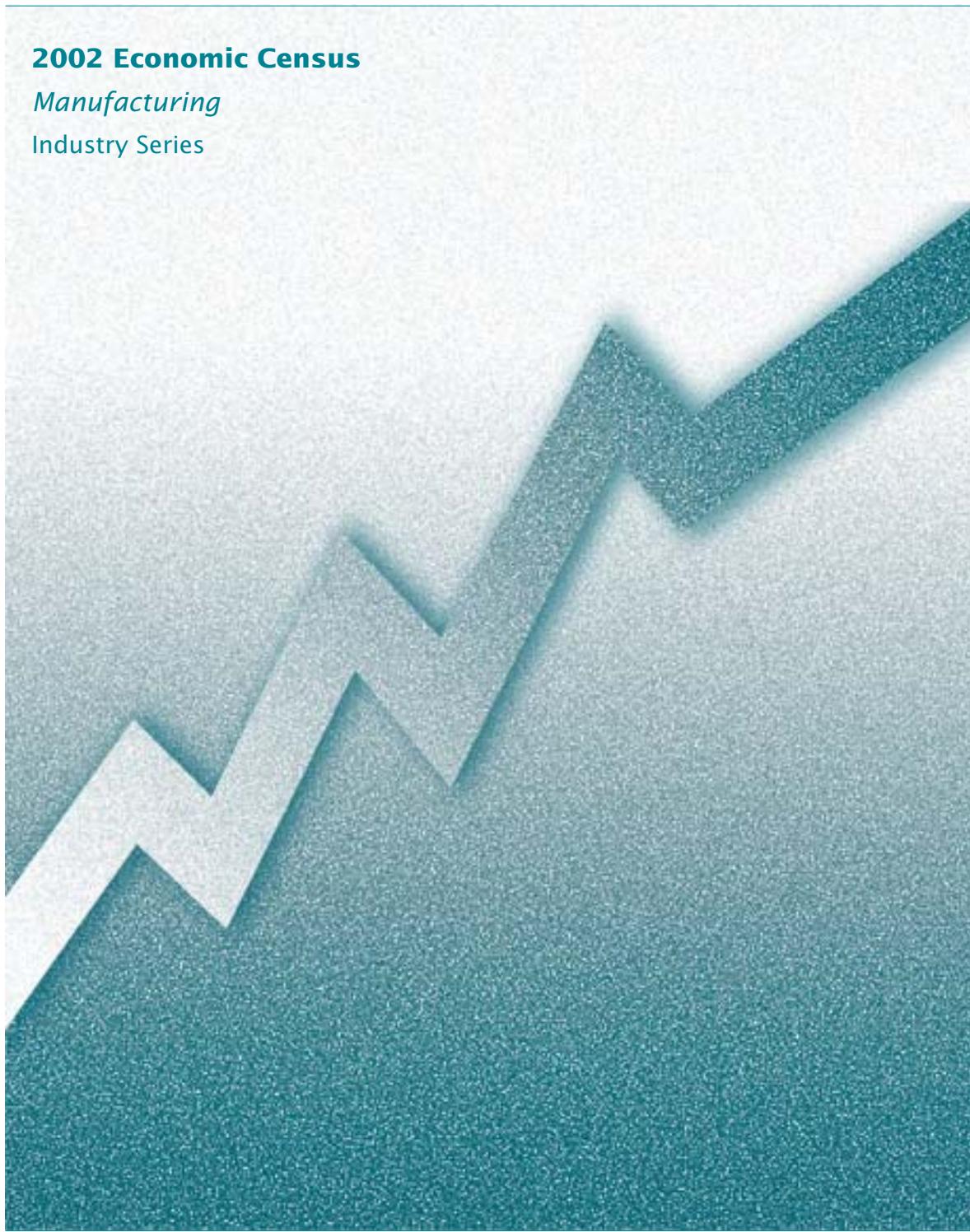
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2002 Economic Census

Manufacturing

Industry Series



U.S. CENSUS BUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix
Tables	
1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002.....	5
6a. Products Statistics: 2002 and 1997.....	6
6b. Product Class Shipments for Selected States: 2002 and 1997 ..	7
7. Materials Consumed by Kind: 2002 and 1997.....	8
Appendices	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
331421, Copper rolling, drawing, and extruding	91	136	16 406	668 880	13 004	26 612	478 319	1 703 578	4 688 189	6 373 312	175 958
2002..	N	N	18 159	707 074	14 118	29 545	495 364	1 877 129	4 358 296	6 328 676	209 903
2001..	N	N	19 810	771 658	15 555	34 110	555 753	2 448 912	5 410 816	7 861 787	189 506
2000..	N	N	19 796	768 986	15 634	34 030	552 008	2 426 213	4 913 857	7 327 314	136 792
1999..	N	N	21 112	798 339	16 867	35 624	580 381	2 333 827	5 204 899	7 551 082	123 487
1998..	N	N	21 012	780 787	16 504	36 325	564 338	2 303 999	5 306 797	7 619 953	144 446
1997..	91	128									

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)			
331421, Copper rolling, drawing, and extruding											
United States.....	-	136	89	16 406	668 880	13 004	26 612	478 319	1 703 578	4 688 189	6 373 312
Connecticut	2	10	8	927	43 496	653	1 446	30 161	91 424	109 884	201 387
Illinois	-	7	7	3 023	136 899	2 384	4 803	96 937	206 309	647 119	848 999
New Jersey	2	8	6	381	15 295	289	522	9 749	29 462	36 014	68 785
Ohio	-	8	6	1 008	46 195	695	1 539	28 050	120 031	281 226	403 647
Pennsylvania.....	2	16	13	1 980	80 944	1 431	2 872	52 390	192 093	420 405	612 927

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
331421, Copper rolling, drawing, and extruding	
Companies ¹	number.. 91
All establishments ²	number.. 136
Establishments with 1 to 19 employees	number.. 47
Establishments with 20 to 99 employees	number.. 43
Establishments with 100 employees or more	number.. 46
All employees ³	number.. 16 406
Total compensation	\$1,000.. 889 742
Annual payroll	\$1,000.. 668 880
Total fringe benefits	\$1,000.. 220 862
Production workers, average for year	number.. 13 004
Production workers on March 12	number.. 13 036
Production workers on May 12	number.. 12 963
Production workers on August 12	number.. 13 020
Production workers on November 12	number.. 12 971
Production worker hours	1,000.. 26 612
Production worker wages	\$1,000.. 478 319
Total cost of materials	\$1,000.. 4 688 189
Materials, parts, containers, packaging, etc., used	\$1,000.. 4 426 095
Resales	\$1,000.. 74 143
Purchased fuels	\$1,000.. 49 948
Purchased electricity	\$1,000.. 98 290
Contract work	\$1,000.. 39 713
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 974 186
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 6 373 312
Primary products value of shipments	\$1,000.. 5 916 610
Secondary products value of shipments	\$1,000.. 171 116
Total miscellaneous receipts	\$1,000.. 285 586
Value of resales	\$1,000.. 80 735
Contract receipts	\$1,000.. 193 302
Other miscellaneous receipts	\$1,000.. 11 549
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 5 959 923
Value of primary products shipments made in this industry	\$1,000.. 5 916 610
Value of primary products shipments made in other industries	\$1,000.. 43 313
Coverage ratio	percent.. 99
Value added	\$1,000.. 1 703 578
Total inventories, beginning of year	\$1,000.. 579 594
Finished goods inventories	\$1,000.. 149 160
Work-in-process inventories	\$1,000.. 267 577
Materials and supplies inventories	\$1,000.. 162 857
Total inventories, end of year	\$1,000.. 600 435
Finished goods inventories	\$1,000.. 147 354
Work-in-process inventories	\$1,000.. 287 838
Materials and supplies inventories	\$1,000.. 165 243
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 034 524
Total capital expenditures (new and used)	\$1,000.. 175 958
Buildings and other structures (new and used)	\$1,000.. 21 308
Machinery and equipment (new and used)	\$1,000.. 154 650
Automobiles, trucks, etc., for highway use	\$1,000.. 2 248
Computers and peripheral data processing equipment	\$1,000.. 6 405
All other expenditures for machinery and equipment	\$1,000.. 145 997
Total retirements	\$1,000.. 115 724
Gross value of depreciable assets at end of year	\$1,000.. 3 094 758
Depreciation charges during year	\$1,000.. 189 045
Total rental payments	\$1,000.. 23 260
Buildings and other structures	\$1,000.. 7 950
Machinery and equipment	\$1,000.. 15 310
Total other expenses ⁴	\$1,000.. 398 242
Response coverage ratio ⁵	percent.. 86
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 52 277
Communications services ⁴	\$1,000.. 4 671
Legal services ⁴	\$1,000.. 5 522
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 059
Advertising and promotional services ⁴	\$1,000.. 1 422
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 3 590
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 7 270
Management consulting and administrative services ⁴	\$1,000.. 6 163
Taxes and license fees ⁴	\$1,000.. 17 049
All other expenses ⁴	\$1,000.. 297 217

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All estab- lishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
331421, Copper rolling, drawing, and extruding											
All establishments	—	136	16 406	668 880	13 004	26 612	478 319	1 703 578	4 688 189	6 373 312	175 958
Establishments with—											
1 to 4 employees	9	28	49	1 602	37	66	1 061	3 882	6 526	10 404	457
5 to 9 employees	7	8	54	2 115	38	82	1 353	4 695	10 316	14 982	504
10 to 19 employees	4	11	c	D	D	D	D	D	D	D	D
20 to 49 employees	—	18	618	23 583	492	1 001	16 861	55 307	424 545	480 689	5 494
50 to 99 employees	—	25	1 783	68 009	1 390	3 011	47 245	210 135	1 246 847	1 450 567	11 818
100 to 249 employees	1	26	3 767	149 928	2 924	6 042	103 635	447 331	1 119 144	1 557 304	41 657
250 to 499 employees	—	15	5 412	210 516	4 403	8 996	155 882	616 209	1 127 183	1 743 072	89 357
500 to 999 employees	—	4	2 491	109 636	1 926	3 781	76 341	199 932	479 236	683 826	14 886
1,000 to 2,499 employees	—	1	9	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	37	126	4 742	98	195	3 261	12 576	21 842	34 414	1 524

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
331421	Copper rolling, drawing, and extruding	136	16 406	668 880	13 004	26 612	478 319	1 703 578	4 688 189	6 373 312	175 958
3314211	Copper wire, bare and tinned (nonelectrical), made in rolling mills	19	1 584	56 291	1 189	2 455	34 210	117 682	210 567	332 503	19 839
3314213	Copper and copper-base alloy rod, bar, and shapes	24	3 334	145 754	2 468	5 282	98 286	493 695	2 210 080	2 697 638	61 091
3314217	Copper and copper-base alloy sheet, strip, and plate	17	4 990	241 564	3 811	7 671	171 606	447 757	845 834	1 284 426	31 000
3314219	Copper and copper-base alloy pipe and tube	26	6 063	208 792	5 201	10 536	162 980	632 434	1 340 785	1 970 437	57 893

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
331421	Copper rolling, drawing, and extruding.....	N	X	X	5 959 923
	1997..	N	X	X	7 107 699
3314211	Copper wire, bare and tinned (nonelectrical), made in rolling mills.....	N	X	X	306 835
	1997..	N	X	X	316 744
33142111	Unalloyed copper wire, bare and tinned (nonelectrical), made in rolling mills.....	N	X	X	149 470
	1997..	N	X	X	188 616
3314211101	Unalloyed copper wire, bare and tinned (nonelectrical), made in rolling mills, 1,000 s tons	11	81.3	S	149 470
	1997..	11	109.3	102.4	188 616
33142112	Alloyed copper wire, bare and tinned (nonelectrical), made in rolling mills.....	N	X	X	118 265
	1997..	N	X	X	128 128
3314211206	Alloyed copper wire, bare and tinned (nonelectrical), made in rolling mills, 1,000 s tons	16	D	S	118 265
	1997..	18	P43.3	32.3	128 128
3314211Y	Copper wire, bare and tinned (nonelectrical), made in rolling mills, nsk	N	X	X	39 100
	1997..	N	X	X	-
3314211YWV	Copper wire, bare and tinned (nonelectrical), made in rolling mills, nsk	N	X	X	39 100
	1997..	N	X	X	-
3314213	Copper and copper-base alloy rod, bar, and shapes	N	X	X	2 656 801
	1997..	N	X	X	2 675 502
33142131	Unalloyed copper and copper-base alloy rod, bar, and shapes (except electric rod)	N	X	X	917 284
	1997..	N	X	X	818 528
3314213101	Unalloyed copper and copper-base alloy rod, bar, and shapes (except electric rod), 1,000 s tons	8	606.0	577.4	917 284
	1997..	13	576.2	562.0	818 528
33142132	Alloyed copper and copper-base alloy rod, bar, and shapes (except electric rod)	N	X	X	1 739 517
	1997..	N	X	X	1 856 974
3314213206	Alloyed copper and copper-base alloy rod, bar, and shapes (except electric rod), 1,000 s tons	14	S	S	1 739 517
	1997..	24	982.2	P1 053.2	1 856 974
3314213Y	Copper and copper-base alloy rod, bar, and shapes, nsk	N	X	X	-
	1997..	N	X	X	-
3314213YWV	Copper and copper-base alloy rod, bar, and shapes, nsk	N	X	X	-
	1997..	N	X	X	-
3314217	Copper and copper-base alloy sheet, strip, and plate	N	X	X	1 083 062
	1997..	N	X	X	D
33142171	Unalloyed copper and copper-base alloy sheet, strip, and plate	N	X	X	409 941
	1997..	N	X	X	D
3314217101	Unalloyed copper and copper-base alloy sheet, strip, and plate, 1,000 s tons	10	213.6	9214.6	409 941
	1997..	13	P197.8	D	D
33142172	Alloyed copper and copper-base alloy sheet, strip, and plate (including military cups and discs)	N	X	X	673 121
	1997..	N	X	X	1 411 858
3314217206	Alloyed copper and copper-base alloy sheet, strip, and plate (including military cups and discs), 1,000 s tons	11	247.8	9253.1	673 121
	1997..	17	397.7	P482.9	1 411 858
3314217Y	Copper and copper-base alloy sheet, strip, and plate, nsk	N	X	X	-
	1997..	N	X	X	-
3314217YWV	Copper and copper-base alloy sheet, strip, and plate, nsk	N	X	X	-
	1997..	N	X	X	-
3314219	Copper and copper-base alloy pipe and tube	N	X	X	1 871 609
	1997..	N	X	X	D
33142193	Other alloyed and unalloyed copper and copper-base pipe and tube	N	X	X	1 268 473
	1997..	N	X	X	D
3314219306	Other unalloyed copper and copper-base pipe and tube, 1,000 s tons	10	161.0	P160.4	473 093
	1997..	7	P100.9	84.3	365 077
3314219316	Other alloyed copper and copper-base pipe and tube, 1,000 s tons	8	363.3	334.3	795 380
	1997..	17	D	D	D
33142194	Copper and copper-base alloy plumbing piping and tube	N	X	X	405 373
	1997..	N	X	X	N
3314219401	Copper and copper-base alloy plumbing pipe and tube, 1,000 s tons	7	X	9212.5	405 373
	1997..	N	X	N	N
3314219Y	Copper and copper-base alloy pipe and tube, nsk	N	X	X	197 763
	1997..	N	X	X	-
3314219YWV	Copper and copper-base alloy pipe and tube, nsk	N	X	X	197 763
	1997..	N	X	X	-
331421W	Copper rolling, drawing, and extruding, nsk, total	N	X	X	41 616
	1997..	N	X	X	21 572
331421WY	Copper rolling, drawing, and extruding, nsk, total	N	X	X	41 616
	1997..	N	X	X	21 572
331421WYWW	Copper rolling, drawing, and extruding, nsk, for nonadministrative-record establishments	N	X	X	8 360
	1997..	N	X	X	1 637
331421WYWy	Copper rolling, drawing, and extruding, nsk, for administrative-record establishments	N	X	X	33 256
	1997..	N	X	X	19 935

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3314211	Copper wire, bare and tinned (nonelectrical), made in rolling mills	
	United States.....	2002.. 306 835 1997.. 316 744
	Connecticut	2002.. 17 107 1997.. 36 175
	Illinois	2002.. 39 014 1997.. N
	Pennsylvania.....	2002.. 27 407 1997.. 34 774
3314213	Copper and copper-base alloy rod, bar, and shapes	
	United States.....	2002.. 2 656 801 1997.. 2 675 502
	Pennsylvania.....	2002.. 177 236 1997.. 213 690
3314217	Copper and copper-base alloy sheet, strip, and plate	
	United States.....	2002.. 1 083 062 1997.. D
	Ohio	2002.. 52 445 1997.. N
	Pennsylvania.....	2002.. 162 779 1997.. 248 880
3314219	Copper and copper-base alloy pipe and tube	
	United States.....	2002.. 1 871 609 1997.. D
	New Jersey	2002.. 2 110 1997.. 20 798
	Pennsylvania.....	2002.. 196 465 1997.. 235 899

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
331421	Copper rolling, drawing, and extruding		
00900001	Total materials	2002.. X 1997.. X	4 426 095 4 937 211
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X 1997.. X	4 644 N
33141101	Copper and copper-base alloy cathodes	1,000 s tons.. 2002.. S 1997.. 2 517.7	1 749 648 1 133 891
33141113	Copper and copper-base alloy ingot, ingot bar, and wire bar	1,000 s tons.. 2002.. S 1997.. 81.4	41 222 251 682
33141111	All other copper and copper-base alloy shapes and forms (excluding castings, forgings, fabricated metal products, cathodes, ingots, ingot bars, and wire bar)	1,000 s tons.. 2002.. S 1997.. 439.5	1 012 677 1 157 066
33141925	Nickel and nickel-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons.. 2002.. S 1997.. 1.4	38 835 38 044
33149105	Zinc and zinc-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons.. 2002.. q59.1 1997.. 55.7	47 049 83 559
33141949	Tin and tin-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X 1997.. X	3 571 12 897
33141903	Precious metals and precious metal alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 troy ounces.. 2002.. D 1997.. 66.6	D 26 222
33142101	Brass shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons.. 2002.. 91.5 1997.. D	123 231 D
33141921	All other nonferrous metal shapes and forms (excluding tin and tin-base alloy and zinc and zinc-base alloy castings, forgings, and fabricated metal products)	mil lb.. 2002.. X 1997.. X	3 209 D
00190024	Copper and copper-base alloy scrap (excluding home scrap)	1,000 s tons.. 2002.. S 1997.. 564.3	856 003 1 286 890
00190080	Other nonferrous metal scrap (excluding home scrap)	1,000 s tons.. 2002.. D 1997.. D	D D
00970099	All other materials and components, parts, containers, and supplies	2002.. X 1997.. X	377 673 354 448
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X 1997.. X	92 529 67 555

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.